

Case Docket No. AUROBIO.026CP1

Date: October 9, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s)

:

Maher, et al.

Appl. No.

10/620,312

Filed

July 14, 2003

For

ION CHANNEL ASSAY

METHODS

Examiner

Unassigned

Group Art Unit:

1743

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

October 9, 2003

Erik T. Anderson, Reg. No. 52,559

TRANSMITTAL LETTER

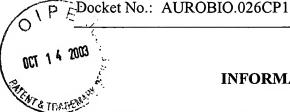
Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 listing sixty-four (64) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

Erik T. Anderson Registration No. 52,559 Attorney of Record Customer No. 20,995 (619) 235-8550



INFORMATION DISCLOSURE STATEMENT

Applicant

Maher, et al.

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Examiner

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1743

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing sixty-four (64) references that were previously disclosed to or cited by the Patent and Trademark Office in the prosecution of U.S. patent application No. 09/804,457, filed March 21, 2001, which is the parent of this continuation-in-part application, and is relied upon for an earlier filing date under 35 U.S.C. § 120. Copies of the references are not submitted pursuant to 37 C.F.R. § 1.98(d).

This Information Disclosure Statement is being filed with an RCE or within three months of the filing date of this application and no fee is required in accordance with 37 C.F.R. § 1.97(b)(1), (b)(2), or (b)(4).

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 10-9-03

Bv:

Erik T. Anderson

Registration No. 52,559

Attorney of Record

Customer No. 20,995

(619) 235-8550

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.	
AUROBIO.026CP1	

APPLICATION NO. 10/620,312

1 4 2003

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT The of The or Hand BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

Maher, et al.	
FILING DATE	GROUP
July 14, 2003	1743

	U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	4,072,578	2/7/78	Cady, et al.			
-	2	4,514,500	4/30/85	Giaever, et al.			
	3	4,461,304	7/24/84	Kuperstein			
•	4	4,628,933	12/16/86	Michelson			
	5	4,677,989	7/7/87	Robblee			
	6	4,969,468	11/13/90	Byers, et al.			
	7	5,024,233	6/18/91	Chow			
	8	5,178,161	1/12/93	Kovacs			
	9	5,187,096	2/16/93	Giaever, et al.			
	10	5,405,367	4/11/95	Schulman, et al.			
	11	5,432,086	7/11/95	Fränzl, et al.			
	12	5,439,440	8/8/95	Hofmann			
	13	5,545,130	8/13/96	Hofmann, et al.			
	14	5,563,067	10/8/96	Sugihara, et al.			W
	15	5,571,158	11/5/96	Bolz, et al.			
	16	5,810,725	9/22/98	Sugihara, et al.			
	17	5,855,801	1/5/99	Lin, et al.			
	18	5,935,155	8/10/99	Humayun, et al.			
	19	5,957,958	9/28/99	Schulman, et al.			
	20	5,965,452	10/12/99	Kovacs			· · · · · · · · · · · · · · · · · · ·
	21	5,981,268	11/9/99	Kovacs, et al.			3-81-31 - ₃₋₇₋₁
	22	6,008,038	12/28/99	Kröger, et al.			
	23	6,009,347	12/28/99	Hofmann			
	24	6,024,702	2/15/00	Iversen			
	25	6,031,711	2/29/00	Tennent, et al.			
	26	6,038,478	3/14/00	Yuen, et al.			
	27	6,046,002	4/4/00	Davis,et al.			

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DATE CONSIDERED

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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INFORMATION DISCLOSURE STATEMENT
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APPLICANT Maher, et al.

FILING DATE July 14, 2003

GROUP 1743

•	U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)	
	28	6,051,422	4/18/00	Kovacs, et al.				
	29	6,063,260	5/16/00	Olesen, et al.				
•	30	6,099,960	8/8/00	Tennent, et al.				
	31	6,205,016	3/20/01	Niu				

	FOREIGN PATENT DOCUMENTS								
EXAMINER	DOCUMENT NUMBER DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION				
INITIAL								YES	NO
	32	WO97/05922	2/20/97	PCT					
	33	WO00/25121	5/4/00	РСТ					
	34	WO00/68686	11/16/00	PCT	· · · · · · · · · · · · · · · · · · ·				
	35	1 067 378 A1	1/10/01	EPO					
	36	96/41166	12/19/96	PCT					

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)						
	37	Arndts, Oral Presentation Abstract, Second International Cell Analysis Products Users Meeting in Hilton Head Island, South Carolina, USA (June 3-5, 1998).					
	38	Barr and Plonsey, Biophys. J. 61, 1164-1175 (1992).					
	39	Barr and Plonsey, IEEE 42, 1185-11911 (1995).					
	40	Cartee and Plonsey, Med & Biol. Eng. & Comp. 30 389-398 (1992).					
	41	Cartee and Plonsey, IEEE 39, 76-85 (1992).					
	42	Eppich et al., Nature Biotech. 18, 882-887 (2000).					
	43	González, J.E., et al., "Cell-based assays and instrumentation for screening ion-channel targets", Drug Discover Today, Vol. 4, No. 9, pp. 431-439, (September 1999).					
	44	González, J.E., et al., "Voltage sensing by fluorescence resonance energy transfer in single cells", Biophysical Journal, Vol. 69, No. 4, pp. 1272-1280, (October 1995).					
	45	Giuliano, K.A., et al., "Fluorescent-protein biosensors: new tools for drug discovery", Trends In Biotechnology", Vol. 16, No. 3, pp. 135-140, (March 1998).					
	46	Greenberg, et al. IEEE 46, 505-514 (1999).					
	47	Gross, et al. Biophys. J. 50, 339-348 (1986).					
	48	Jentsch and Günther, BioEssays 19, 117-126 (1997).					
	49	Klee and Plonsey, Biophys. J. 12 1661-1675 (1972).					

DATE CONSIDERED

*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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FORMETO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT		APPLICATION NO. 10/620,312
BY APPLICANT	APPLICANT Maher, et al.	
(USE SEVERAL SHEETS IF NECESSARY)	FILING DATE July 14, 2003	GROUP 1743

EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)						
•	50	Klee and Plonsey, IEEE 23, 347-354 (1976).						
	51	Mitchell et al., J. Biomed. Eng. 14, 52-56 (1992).						
	52	Plonsey, Med & Biol. Eng. & Comput. 19 311-315 (1981).						
	53	Plonsey, Med. & Biol. Eng. & Comput. 33 337-340 (1995).						
•	54	Plonsey and Barr, IEEE 42 329-336 (1995).						
4	55	Plonsey and Barr, IEEE 9/10 130-137 (1998.)						
	56	Rattay, Neuroscience 89 335-346 (1999).						
	57	Roth, Critical Reviews in Biomed. Eng. 22 263-305 (1994).						
	58	Rowell, Biophotonics Int. 12 25-26 (2000).						
	59	Schmidt et al., Proc Natl. Acad. Sci. USA 94 8948-8953 (1997).						
	60	Stone et al., J. Cardiovascular Electrophysiology 10 92-107 (1999).						
	61	Svirskis et al., American Phys. Soc. 0022-3077 579-586 (1997).						
	62	Tung and Borderies, Biophys. J. 63 371-386 (1992).						
	63	Tung et al., Circulation Research 69 722-730 (1991).						
	64	Zhou, et al., Circulation Research 83 1003-1014 (1998).						

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DATE CONSIDERED